MONITORING HUMAN'S EMOTION USING FAST FOURIER TRANSFORM METHOD FROM BRAINWAVE FEATURES

Paper ID: 1570599247

Anton Yudhana (Ahmad Dahlan University, Indonesia); Ismail Karas (Karabuk University, Turkey); Son Ali Akbar (Universitas Ahmad Dahlan, Indonesia); Akbar Muslim (Ahmad Dahlan University, Indonesia)

Abstract - Emotions are characteristic of how people are associating with one another. An individual can comprehend the Emotion of another person somewhat and carry on in the best way to improve the correspondence in a specific circumstance anyway a machine can't. This paper aims to analyze the human emotion through from brainwave signal by using Electroencephalogram (EEG) signal. Indeed, this paper deals with the monitoring of emotions using EEG signals using Fast Fourier Transform (FFT) algorithm to experimental the Electroencephalogram (EEG) Based on the Neurosky headset. As a result, this will help to improve users knowing his mental state accurately. This kind of emotion analysis system will have widespread potential applications in future environments. The result of research has displayed and compared frequency stimulus of the sad and the focus emotions in situation diversity

Keywords: Emotion; Electroencephalography (EEG); Fast Fourier Transform